

M A T E R I A L S A F E T Y D A T A S H E E T

PureSpray* Green

EMERGENCY PHONE NUMBERS:

MEDICAL: 800-225-3320 (Prosar)

TRANSPORTATION: 800-424-9300 (Chemtrec)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: PureSpray* Green
EPA Reg. No.: 69526-9
Product Code: 09-2305 (6 x 1 qt)
 09-2306 (4 x 1 gal)
 09-2309 (2 x 2.5 gal)
 09-2310 (1 x 30 gal)
EPA Signal Word: CAUTION
Distributed by: Whitmire Micro-Gen Research Laboratories, Inc.
 3568 Tree Court Industrial Blvd.
 St. Louis MO 63122-6682

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

COMPOSITION INFORMATION

ACTIVE INGREDIENTS (98.0%)	%	CAS NO.
Petroleum Oil, Mixture of severely hydrotreated and hydrocracked base oil	98.0	8042-47-5

OTHER INGREDIENTS* (2.0%)	%	CAS NO.
Other proprietary, non-hazardous additives	2.0	Mixture

* All ingredients may not be listed. Ingredients not listed do not meet the reporting requirements of the OSHA Hazard Communication Standard (HCS) as specified in 29 CFR 1910.1200.

EXPOSURE INFORMATION

MATERIAL	OSHA PEL		ACGIH TLV	
	STEL	TWA	STEL	TWA
Petroleum Oil	NE	NE	10 mg/m ³	5 mg/m ³
Other proprietary, non-hazardous additives	NE	NE	NE	NE

SECTION 3. HAZARDS IDENTIFICATION

NOTE TO PHYSICIAN

Contains petroleum distillate – vomiting may cause aspiration pneumonia.

SIGNS/SYMPTOMS OF EXPOSURE

Prolonged or repeated contact may cause skin irritation, delatting, drying and dermatitis. Not expected to cause more than slight skin or eye irritation. With its relatively low vapor pressure, this product is not expected to be inhaled in any appreciable quantity at ambient conditions. If heated to high temperatures or subjected to mechanical actions which produce vapors or mists, inhalation may cause respiratory tract irritation. Ingestion may produce a laxative effect. For more information refer to Section 11 of this MSDS.

ROUTES OF ENTRY

Primary: Skin **Secondary:** Ingestion **Tertiary:** Inhalation

HAZARDOUS DECOMPOSITION PRODUCTS

When exposed to fire, produces normal products of combustion, such as carbon monoxide, carbon dioxide, organic compounds, smoke and irritating vapors when heated to decomposition.

UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

Low fire hazard. This material must be heated before ignition will occur. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. In a fire or if heated, a pressure increase will occur and the container may burst.

SECTION 4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor or going for treatment. Describe any symptoms and follow the advice given.

Ingestion: Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give ANY liquid to the person. Do not give anything by mouth to an unconscious person.

Eye Contact: Hold eyes open and rinse slowly and gently with water for 15 - 20 min. Remove contact lenses, if present, after the first 5 min, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

Skin Contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 min. Call a poison control center or doctor for treatment advice.

Inhalation: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Note to Physician: Petroleum distillate poses aspiration pneumonia hazard. Only minor irritation should be expected from any type of exposure other than pulmonary aspiration. Ingestion may result in some gastroenteritis and mild diarrhea. Since systemic toxicity is not expected, the added risk of aspiration from attempts to induce vomiting or lavage are deemed not warranted.

Medical Conditions Generally Aggravated by Exposure: None known

Emergency Telephone Number of Prosar: 800-225-3320 (for medical emergencies)

SECTION 5. FIRE FIGHTING MEASURES

FIRE AND EXPLOSION

Flash Point (Open Cup): 345.2°F (Cleveland)

Explosibility Limits of Propellant in Air (% by volume):

Lower (LEL) = NE Upper (UEL) = NE

NFPA 30B Flammability: NA

UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

Low fire hazard. This material must be heated before ignition will occur. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. In a fire or if heated, a pressure increase will occur and the container may burst.

IN CASE OF FIRE

Fire Fighting Media and Instructions: NAERG96, GUIDE 171. Substances (low to moderate hazard). If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (0.5 mile) in all directions; also, consider initial evacuation for 800 meters (0.5 mile) in all directions. Shut off fuel to fire if it is possible to do so without hazard. If this is impossible, withdraw from area and let fire burn out under controlled conditions. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tank due to fire. Cool containing vessels with water spray in order to prevent pressure build-up, autoignition or explosion. **SMALL FIRE:** use DRY chemicals, foam, water spray or CO₂. **LARGE FIRE:** use water spray, fog or foam. For small outdoor fires, portable fire extinguishers may be used, and self contained breathing apparatus (SCBA) may not be required. For all indoor fires and any significant outdoor fires, SCBA is required. Respiratory and eye protection are required for fire fighting personnel.

SECTION 6. ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL OR LEAK

If container begins to leak (through puncture, etc.), eliminate all ignition sources. Stop leak if safe to do so. Dike spilled material. Do not let spilled or leaking material enter sewers, streams, rivers or other water courses. Use appropriate inert absorbent material to absorb, collect and containerize for later disposal.

This product contains no Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) listed chemicals. Releases of this product are NOT reportable to the National Response Center.

Emergency Telephone Number of Chemtrec: 800-424-9300 (for transportation spills)

PROTECTIVE EQUIPMENT FOR CLEANUP PERSONNEL

Eyes: Use proper protection – safety glasses are recommended. Safety goggles and/or face shield may be appropriate in some instances.

Skin: Wear long-sleeved shirt and long pants, chemical-resistant gloves (such as Barrier Laminate, Nitrile rubber, Butyl rubber, Neoprene rubber or Viton). When handling hot product ensure gloves are heat resistant and insulated. Also wear shoes plus socks. (Good practice requires that gross amounts of any chemical be removed from the skin as soon as practical, especially before eating or smoking.)

Inhalation: Use of a respirator may be appropriate when working with spills in enclosed or confined spaces, or when prolonged exposure to product vapor or spray mist may occur. When using a respirator, wear a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R or P prefilter. See 29 CFR 1910.134 for respiratory protection, training, and testing requirements.

WASTE DISPOSAL METHOD

Do not contaminate water, food or feed by storage or disposal of wastes. Take full or leaking containers to a local disposal company for biological treatment or incineration. Review all local, state and federal regulations concerning health and pollution to determine approved disposal procedures. NEVER PLACE WASTES DOWN ANY INDOOR OR OUTDOOR DRAIN OR SEWER.

SECTION 7. HANDLING AND STORAGE

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Keep out of reach of children. **CAUTION** – Harmful if swallowed or absorbed through skin or inhaled. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. This product is a potential skin sensitizer. Causes moderate eye irritation. Avoid contact with eyes, skin and clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

USER SAFETY RECOMMENDATIONS

Users Should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

OTHER PRECAUTIONS

Do not allow children or pets to enter the treated area until sprays have dried. Do not apply this product through any type of irrigations system. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. Personnel who handle this material should practice good personal hygiene during and after handling to help prevent accidental ingestion of this product. Properly dispose of contaminated leather articles including shoes that cannot be decontaminated. **Do not apply this product aerially.**

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

STORAGE

Do not contaminate water, food or feed. Keep container tightly closed. Store in a cool, dry, well ventilated area. Keep out of reach of children and animals. Store away from incompatible and reactive materials i.e. heat and oxidizing agents.

MATERIAL SAFETY DATA SHEET

PureSpray* Green

SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hr.
PERSONAL PROTECTIVE EQUIPMENT (PPE)

Respiratory Protection: For prolonged exposure or if used in enclosed or confined areas, a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R or P prefilter may be used. See 29 CFR 1910.134 for respiratory protection, training and testing requirements.

Protective Gloves: Wear chemical-resistant gloves (such as Barrier Laminate, Nitrile rubber, Butyl rubber, Neoprene rubber or Viton). (Good practice requires that gross amounts of any chemical be removed from the skin as soon as practical, especially before eating or smoking.)

Eye Protection: Use proper protection - safety glasses are recommended. Safety goggles and/or face shield may be appropriate in some instances.

Other Protective Equipment: Long-sleeved shirt, long pants and shoes plus socks. Launder contaminated equipment or clothing before reuse.

Restricted Entry Interval (REI): PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involve contact with anything that has been treated, such as plants, soil or water, is: coveralls over long-sleeved shirt and long pants, shoes and socks and chemical resistant gloves (such as Nitrile, Butyl, Neoprene and/or Barrier laminate).

VENTILATION

Local Exhaust: None required

Mechanical: None required

Special: None required

Other: Provide adequate ventilation to treatment area.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colorless to light yellow viscous liquid

Solubility in Water: Easily dispersed, but is insoluble

Viscosity: 13.3 - 13.9 cSt @ 104°F, 3.18 cSt @ 212°F

Boiling Point: NA

pH: NA

Odor: No odor or slight petroleum odor

Vapor Pressure: NE

Vapor Density: NA

Freezing/Melting Point: NE

Density: 7.14 lbs/gal @ 59°F

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY

Stability: Stable under normal handling and storage conditions.

Conditions to Avoid: High heat or open flame

Incompatibility (Material to Avoid): Oxidizing agents

Hazardous Polymerization: Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS

When exposed to fire, produces normal products of combustion, such as carbon monoxide, carbon dioxide, organic compounds, smoke and irritating vapors when heated to decomposition.

SECTION 11. TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY

Primary: Skin

Secondary: Ingestion

Tertiary: Inhalation

ACUTE

Eyes: Short-term exposure is expected to cause only slight irritation, if any.

Skin: Prolonged or repeated contact may defat and dry skin, and cause dermatitis. Short-term exposure is expected to cause only slight irritation, if any. Acute dermal LD₅₀ > 2,000 mg/kg (rabbits). Contact with this product is not expected to cause skin sensitization, based upon the available data and the known hazards of the components.

Ingestion: Ingestion of this product may lead to aspiration of the liquid, especially if vomiting occurs. This may result in chemical pneumonitis (inflammation of the lungs) and/or pulmonary edema (an accumulation of fluid in the lungs). May produce a laxative effect. Acute oral toxicity LD₅₀ > 5,000 mg/kg (rats).

Inhalation: With its relatively low vapor pressure, this product is not expected to be inhaled in any appreciable quantity at ambient conditions. If heated to high temperatures or subjected to mechanical actions which produce vapors or mists, inhalation may cause respiratory tract irritation. Acute inhalation LC₅₀ > 2,500 mg/m³/4h (rats). Contact with this product is not expected to cause respiratory tract sensitization, based upon the available data and the known hazards of the components.

CHRONIC / CARCINOGENICITY

Neither this product nor any of its ingredients are classified as carcinogens by the American Conference of Governmental Industrial Hygienists (ACGIH), the National Toxicity Program (NTP), the International Agency for Research on Cancer (IARC), the Integrated Risk Information System (IRIS) or the Occupational Safety and Health Administration (OSHA).

SECTION 12. ECOLOGICAL INFORMATION

This product is toxic to fish. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters. Apply this product only as specified on the label.

SECTION 13. DISPOSAL CONSIDERATION

Do not contaminate water, food or feed by disposal of container or waste. Dispose of container and waste in accordance with all federal, state and local regulations.

Container Disposal: Empty container by using the product in accordance with the label directions. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. NEVER PLACE UNUSED PRODUCT DOWN ANY INDOOR OR OUTDOOR DRAIN!

Waste Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. NEVER PLACE WASTE DOWN ANY INDOOR OR OUTDOOR DRAIN!

SECTION 14. TRANSPORT INFORMATION

SHIPMENT BY GROUND WITHIN U.S. (DOT CLASSIFICATION)

Proper Shipping Description: Liquid Insecticide (Not Regulated)

Hazard Clas: NA

SHIPMENT BY WATER (IMDG CLASSIFICATION)

No information available.

Product in unopened original packaging is compliant with all regulations for ground shipment within the U.S. WMG disclaims any liability for claims or damages that may result from shipment by other means. Consult appropriately trained shipping professional before offering for shipment by water or air.

SECTION 15. REGULATORY INFORMATION

CERCLA

This product contains no CERCLA listed chemicals.

SARA TITLE III SECTION 311/312 HAZARD CLASS

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Section 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Immediate (Acute) Health Hazard

Flammability Hazard

SARA TITLE III SECTION 313 CHEMICALS

This product contains no substances subject to the reporting requirements of Section 313 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) or 40 CFR Part 372 in concentrations above the de minimis concentration level.

TSCA

All components of this product are listed or excluded from listing on the US Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

SECTION 16. OTHER INFORMATION

NFPA HEALTH RATING INFORMATION

HEALTH - 1 FLAMMABILITY - 1 REACTIVITY - 0

HMIS HAZARD RATING INFORMATION

HEALTH - 1 FLAMMABILITY - 1 REACTIVITY - 0

PERSONAL PROTECTION - B

KEY: 4 = Severe
3 = Serious
2 = Moderate
1 = Slight
0 = Minimal

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. **For automatic MSDS updates, register at www.wmg.com.**

* PureSpray Green is a registered trademark and product of Petro-Canada, 385 Southdown Road, Mississauga, Ontario L5K 1A8.

Questions concerning the safe handling of the product should be referred to the Whitmire Micro-Gen Customer Service Department at 800-777-8570.

NA - Not Applicable

NE - Not Established

PEL - Permissible Exposure Limit

TLV - Threshold Limit Value

STEL - Short Term Exposure Limit (15 min)

TWA - Time Weighted Average (8 hr)



WHITMIRE MICRO-GEN
RESEARCH LABORATORIES, INC.

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